AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing Of Claims

1 (Cancelled).

2 (Previously presented). A compound according to claim 101 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-6} alkyl, C_{2-6} oxaalkyl or C_{2-6} aminoalkyl.

3 (Previously presented). A compound according to claim 101 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-4} alkyl, C_{2-4} oxaalkyl or C_{2-4} aminoalkyl.

4 (Previously presented). A compound according to claim 101 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is 1, 2, 3, 4, 5, or 6, atoms in length.

5 (Previously presented). A compound according to claim 101 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 renders the alkyl, oxaalkyl or aminoalkyl a branched alkyl, oxaalkyl or aminoalkyl.

6 (Previously presented). A compound according to claim 101 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted five or six membered ring.

- 7 (Previously presented). A compound according to claim 101 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring.
- 8 (Previously presented). A compound according to claim 101 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring comprising one or more heteroatoms.
- 9 (Previously presented). A compound according to claim 101 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aryl.
- 10 (Previously presented). A compound according to claim 101 wherein R₂ comprise a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 11 (Previously presented). A compound according to claim 101 wherein R₂ comprise a moiety selected from the group consisting of a C₁₋₄ alkyl, C₂₋₄ aminoalkyl, C₂₋₄oxaalkyl, -C(O)H, and -C(O)-C₁₋₃ alkyl.
- 12 (Previously presented). A compound according to claim 101 wherein at least one of R_3 and R_4 is a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 13 (Previously presented). A compound according to claim 101 wherein at least one of R_3 and R_4 comprises a member of the group consisting of C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.
- 14 (Previously presented). A compound according to claim 101 wherein R₃ comprises a substituted 6 membered ring that is substituted beta relative to R₅.

15 (Previously presented). A compound according to claim 101 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 .

16 (Previously presented). A compound according to claim 101 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 with a substituent selected from the group consisting of a C_{1-4} alkyl, C_{2-4} aminoalkyl or C_{2-4} oxaalkyl, -C(O)H, $-C(O)-C_{1-3}$ alkyl.

17 (Cancelled).

18 (Previously presented). A compound according to claim 101 wherein M comprises selected from the group consisting of trifluoroacetyl (-C(O)-CF₃), -NH-P(O)OH-CH₃, sulfonamides (-SO₂NH₂), thiols(-SH), and carbonyl groups having the formula -C(O)-R₇ wherein R₇ is hydroxylamino, hydroxyl, amino, alkylamino, or an alkyloxy group.

19 (Previously presented). A compound according to claim 101 wherein M comprises a hydroxamic acid moiety.

20 (Cancelled).

21 (Previously presented). A compound according to claim 104 wherein one of R_3 and R_4 is selected from the group consisting of a substituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl and C_{2-12} oxaalkyl where at least one of the substituents is selected from the group consisting of substituted and unsubstituted straight chained C_{1-12} alkyls, C_{2-12} oxaalkyls or C_{2-12} aminoalkyls and substituted or unsubstituted 3, 4, 5, 6, 7 or 8 membered rings and the other of R_3 and R_4 is selected from the group consisting of C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.

22 (Previously presented). A compound according to claim 104 wherein R_1 comprises a moiety attached to the nitrogen selected from the group consisting of a substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl and C_{2-12} aminoalkyl where at least one of the substituents is

selected from the group consisting of substituted and unsubstituted straight chained C_{1-12} alkyls, C_{2-12} oxaalkyls or C_{2-12} aminoalkyls and substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered rings.

- 23 (Original). A compound according to claim 22 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-6} alkyl, C_{2-6} oxaalkyl or C_{2-6} aminoalkyl.
- 24 (Original). A compound according to claim 22 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-4} alkyl, C_{2-4} oxaalkyl or C_{2-4} aminoalkyl.
- 25 (Original). A compound according to claim 22 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is 1, 2, 3, 4, 5, or 6, atoms in length.
- 26 (Original). A compound according to claim 22 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 renders the alkyl, oxaalkyl or aminoalkyl a branched alkyl, oxaalkyl or aminoalkyl.
- 27 (Original). A compound according to claim 22 wherein the substituent attached to the substituted straight chained $C_{1.12}$ alkyl, $C_{2.12}$ oxaalkyl or $C_{2.12}$ aminoalkyl of R_1 is a substituted or unsubstituted five or six membered ring.
- 28 (Original). A compound according to claim 22 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring.
- 29 (Original). A compound according to claim 22 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring comprising one or more heteroatoms.

- 30 (Original). A compound according to claim 22 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aryl.
- 31 (Original). A compound according to claim 22 wherein R₂ comprise a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 32 (Previously presented). A compound according to claim 22 wherein R_2 comprise a moiety selected from the group consisting of a C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.
- 33 (Previously presented). A compound according to claim 104 wherein the other of R₃ and R₄ is a moiety that has a maximum chain length of non-hydrogen atoms of four or less.
- 34 (Previously presented). A compound according to claim 104 wherein at least one of R₃ and R₄ comprises a member of the group consisting of C₁₋₄ alkyl, C₂₋₄ aminoalkyl, C₂₋₄ oxaalkyl, -C(O)H, and -C(O)-C₁₋₃ alkyl.
- 35 (Previously presented). A compound according to claim 104 wherein R_3 comprises a substituted 6 membered ring that is substituted beta relative to R_5 .
- 36 (Previously presented). A compound according to claim 104 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 .
- 37 (Previously presented). A compound according to claim 104 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 with a substituent selected from the group consisting of a C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.

38 (Cancelled).

39 (Previously presented). A compound according to claim 104 wherein M comprises a member selected from the group consisting of trifluoroacetyl (-C(O)-CF₃), -NH-P(O)OH-CH₃, sulfonamides (-SO₂NH₂), thiols(-SH), and carbonyl groups having the formula -C(O)-R₇ wherein R₇ is hydroxylamino, hydroxyl, amino, alkylamino, or an alkyloxy group.

40 (Previously presented). A compound according to claim 104 wherein M comprises a hydroxamic acid moiety.

41 (Currently amended). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and C(O)- C_{1-3} -alkyl, with the proviso that R_1 and R_2 are not both hydrogen and R_2 may also be C(O)- C_{1-3} alkyl;

 R_3 and R_4 are each independently selected from the group consisting of a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and -C(O)H and $-C(O)-C_{1-3}$ alkyl;

M is a substituent capable of complexing with a protein metal ion; and

L is a substituent comprising a chain of 3-12 atoms connecting the M substituent to the carbon atom alpha to the L substituent.

- 42 (Original). A compound according to claim 41 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-6} alkyl, C_{2-6} oxaalkyl or C_{2-6} aminoalkyl.
- 43 (Original). A compound according to claim 41 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-4} alkyl, C_{2-4} oxaalkyl or C_{2-4} aminoalkyl.
- 44 (Original). A compound according to claim 41 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is 1, 2, 3, 4, 5, or 6, atoms in length.
- 45 (Original). A compound according to claim 41 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 renders the alkyl, oxaalkyl or aminoalkyl a branched alkyl, oxaalkyl or aminoalkyl.
- 46 (Original). A compound according to claim 41 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted five or six membered ring.
- 47 (Original). A compound according to claim 41 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring.
- 48 (Original). A compound according to claim 41 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring comprising one or more heteroatoms.
- 49 (Original). A compound according to claim 41 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or

unsubstituted aryl.

- 50 (Original). A compound according to claim 41 wherein R₂ comprise a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 51 (Previously presented). A compound according to claim 41 wherein R₂ comprise a moiety selected from the group consisting of C₁₋₄alkyl, aminoalkyl, oxaalkyl, -C(O)H, and -C(O)-C₁₋₃alkyl.
- 52 (Previously presented). A compound according to claim 41 wherein at least one of R₃ and R₄ is a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 53 (Previously presented). A compound according to claim 41 wherein at least one of R_3 and R_4 comprises a member of the group consisting of C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.
- 54 (Original). A compound according to claim 41 wherein R_3 comprises a substituted 6 membered ring that is substituted beta relative to R_5 .
- 55 (Original). A compound according to claim 41 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 .
- 56 (Previously presented). A compound according to claim 41 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 with a substituent selected from the group consisting of C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.
- 57 (Original). A compound according to claim 41 wherein L comprises a cinnamate moiety.

58 (Original). A compound according to claim 41 wherein M comprises a member selected from the group consisting of trifluoroacetyl (-C(O)-CF₃), -NH-P(O)OH-CH₃, sulfonamides (-SO₂NH₂), thiols(-SH), and carbonyl groups having the formula -C(O)-R₇ wherein R₇ is hydroxylamino, hydroxyl, amino, alkylamino, or an alkyloxy group.

59 (Original). A compound according to claim 41 wherein M comprises a hydroxamic acid moiety.

60 (Currently amended). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

wherein

 R_1 comprises a moiety attached to the nitrogen selected from the group consisting of a substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl and C_{2-12} aminoalkyl where at least one of the substituents is selected from the group consisting of substituted and unsubstituted straight chained C_{1-12} alkyls, C_{2-12} oxaalkyls or C_{2-12} aminoalkyls and substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered rings;

 R_2 comprises a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and C(O)H and $C(O)C_{1-3}$ alkyl, with the proviso that R_1 and R_2 are not both hydrogen and R_2 may also be C(O)H or $C(O)C_{1-3}$ alkyl;

 R_3 and R_4 are each independently selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a

substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and -C(O)H and $-C(O)-C_{1-3}$ alkyl, with the proviso that R_4 is not hydrogen;

M is a substituent capable of complexing with a protein metal ion; and

L is a substituent comprising a chain of 3-12 atoms connecting the M substituent to the carbon atom alpha to the L substituent.

- 61 (Original). A compound according to claim 60 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-6} alkyl, C_{2-6} oxaalkyl or C_{2-6} aminoalkyl.
- 62 (Original). A compound according to claim 60 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-4} alkyl, C_{2-4} oxaalkyl or C_{2-4} aminoalkyl.
- 63 (Original). A compound according to claim 60 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is 1, 2, 3, 4, 5, or 6, atoms in length.
- 64 (Original). A compound according to claim 60 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 renders the alkyl, oxaalkyl or aminoalkyl a branched alkyl, oxaalkyl or aminoalkyl.
- 65 (Original). A compound according to claim 60 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted five or six membered ring.
- 66 (Original). A compound according to claim 60 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring.

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 Final Office Action mailed August 21, 2006
 Response to Office Action dated August 25, 2006
- 67 (Original). A compound according to claim 60 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring comprising one or more heteroatoms.
- 68 (Original). A compound according to claim 60 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aryl.
- 69 (Original). A compound according to claim 60 wherein R₂ comprise a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 70 (Previously presented). A compound according to claim 60 wherein R₂ comprise a moiety selected from the group consisting of a C₁₋₄ alkyl, C₂₋₄ aminoalkyl, C₂₋₄ oxaalkyl, -C(O)H, and -C(O)-C₁₋₃ alkyl.
- 71 (Previously presented). A compound according to claim 60 wherein at least one of R₃ and R₄ is a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 72 (Previously presented). A compound according to claim 60 wherein at least one of R₃ and R₄ comprises a member of the group consisting of C₁₋₄ alkyl, C₂₋₄ aminoalkyl, C₂₋₄ oxaalkyl, -C(O)H, and -C(O)-C₁₋₃ alkyl.
- 73 (Original). A compound according to claim 60 wherein R₃ comprises a substituted 6 membered ring that is substituted beta relative to R₅.
- 74 (Original). A compound according to claim 60 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 .
 - 75 (Previously presented). A compound according to claim 60 wherein R₃ comprises a

substituted aryl that is substituted meta relative to R_5 with a substituent selected from the group consisting of a C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.

76 (Original). A compound according to claim 60 wherein L comprises a cinnamate moiety.

77 (Original). A compound according to claim 60 wherein M comprises a member selected from the group consisting of trifluoroacetyl (-C(O)-CF₃), -NH-P(O)OH-CH₃, sulfonamides (-SO₂NH₂), thiols(-SH), and carbonyl groups having the formula -C(O)-R₇ wherein R₇ is hydroxylamino, hydroxyl, amino, alkylamino, or an alkyloxy group.

78 (Original). A compound according to claim 60 wherein M comprises a hydroxamic acid moiety.

79 (Currently amended). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and C(O)H and $C(O)C_{1-3}$ alkyl, with the proviso that R_1 and R_2 are not both hydrogen and R_2 may also be C(O)H or $C(O)C_{1-3}$ alkyl;

one of R₃ and R₄ is selected from the group consisting of a substituted or unsubstituted

straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted or unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and -C(O)H and -C(O)- C_{1-3} alkyl, when the other of R_3 and R_4 is a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less, with the proviso that R_4 is not hydrogen;

M is a substituent capable of complexing with a protein metal ion; and

L is a substituent comprising a chain of 3-12 atoms connecting the M substituent to the carbon atom alpha to the L substituent.

80 (Previously presented). A compound according to claim 79 wherein at least one of R₃ and R₄ comprises a member of the group consisting of C₁₋₄ alkyl, C₂₋₄ aminoalkyl, C₂₋₄oxaalkyl, -C(O)H, and -C(O)-C₁₋₃alkyl.

81 (Original). A compound according to claim 79 wherein R_1 comprises a moiety attached to the nitrogen selected from the group consisting of a substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl and C_{2-12} aminoalkyl where at least one of the substituents is selected from the group consisting of substituted and unsubstituted straight chained C_{1-12} alkyls, C_{2-12} oxaalkyls or C_{2-12} aminoalkyls and substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered rings.

82 (Original). A compound according to claim 79 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-6} alkyl, C_{2-6} oxaalkyl or C_{2-6} aminoalkyl.

83 (Original). A compound according to claim 79 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted straight chained C_{1-4} alkyl, C_{2-4} oxaalkyl or C_{2-4} aminoalkyl.

84 (Original). A compound according to claim 79 wherein the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is 1, 2, 3, 4, 5, or 6, atoms in length.

85 (Original). A compound according to claim 79 wherein the substituent attached to the

substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 renders the alkyl, oxaalkyl or aminoalkyl a branched alkyl, oxaalkyl or aminoalkyl.

- 86 (Original). A compound according to claim 79 wherein the substituent attached to the substituted straight chained $C_{1.12}$ alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted five or six membered ring.
- 87 (Original). A compound according to claim 79 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring.
- 88 (Original). A compound according to claim 79 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aromatic ring comprising one or more heteroatoms.
- 89 (Original). A compound according to claim 79 wherein the substituent attached to the substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl or C_{2-12} aminoalkyl of R_1 is a substituted or unsubstituted aryl.
- 90 (Original). A compound according to claim 79 wherein R₂ comprise a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less.
- 91 (Previously presented). A compound according to claim 79 wherein R₂ comprise a moiety selected from the group consisting of C₁₋₄ alkyl, C₂₋₄ aminoalkyl, C₂₋₄ oxaalkyl, -C(O)H, and -C(O)-C₁₋₃ alkyl.
- 92 (Original). A compound according to claim 79 wherein the other of R₃ and R₄ is a moiety that has a maximum chain length of non-hydrogen atoms of four or less.

93 (Canceled).

94 (Original). A compound according to claim 79 wherein R₃ comprises a substituted 6 membered ring that is substituted beta relative to R₅.

95 (Original). A compound according to claim 79 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 .

96 (Previously presented). A compound according to claim 79 wherein R_3 comprises a substituted aryl that is substituted meta relative to R_5 with a substituent selected from the group consisting of C_{1-4} alkyl, C_{2-4} aminoalkyl, C_{2-4} oxaalkyl, -C(O)H, and $-C(O)-C_{1-3}$ alkyl.

97 (Original). A compound according to claim 79 wherein L comprises a cinnamate moiety.

98 (Original). A compound according to claim 79 wherein M comprises a member selected from the group consisting of trifluoroacetyl (-C(O)-CF₃), -NH-P(O)OH-CH₃, sulfonamides (-SO₂NH₂), thiols(-SH), and carbonyl groups having the formula -C(O)-R₇ wherein R₇ is hydroxylamino, hydroxyl, amino, alkylamino, or an alkyloxy group.

99 (Original). A compound according to claim 79 wherein M comprises a hydroxamic acid moiety.

100 (Previously presented). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

Οľ

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, with the proviso that R_1 and R_2 are not both hydrogen;

R₃ comprises a substituted six membered ring attached to the carbonyl carbon or methylene wherein at least one of the substituents of the six membered ring is beta relative to atom attached to the carbonyl carbon or methylene;

 R_4 comprises a moiety selected from the group consisting of a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring;

M is a substituent capable of complexing with a protein metal ion; and L is a substituent comprising a chain of 3-12 atoms connecting the M substituent to the

carbon atom alpha to the L substituent.

101 (Previously presented). A compound comprising the formula:

$$R_1$$
 R_2
 R_4
 R_5
 R_5
 R_8

wherein

 R_1 comprises a moiety attached to the nitrogen selected from the group consisting of a substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl and C_{2-12} aminoalkyl where at least one of the substituents is selected from the group consisting of substituted and unsubstituted straight chained C_{1-12} alkyls, C_{2-12} oxaalkyls or C_{2-12} aminoalkyls and substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered rings;

 R_2 comprises a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and -C(O)H and -C(O)- C_{1-3} alkyl;

 R_3 and R_4 are each independently selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and -C(O)H and -C(O)- C_{1-3} alkyl, with the proviso that R_3 and R_4 are not both hydrogen;

 R_5 is selected from the group consisting of a carbonyl, a substituted or unsubstituted C_{1-3} alkyl, a substituted or unsubstituted $-C_{1-3}$ alkyl, a substituted or unsubstituted $-C(O)-C_{1-3}$ alkyl, and a substituted or unsubstituted $-C(O)C(O)C_{1-3}$ alkyl; and

M is a substituent capable of complexing with a protein metal ion.

102 (Original). A compound according to claim 101 wherein the phenyl ring is meta substituted.

103 (Original). A compound according to claim 101 wherein the phenyl ring is para substituted.

104 (Currently amended). A compound comprising the formula:

$$R_1$$
 R_2
 R_4
 R_5
 R_3

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, and C(O)H and $C(O)C_{1-3}$ alkyl, with the proviso that R_1 and R_2 are not both hydrogen and R_2 may also be C(O)H or $C(O)C_{1-3}$ alkyl;

one of R_3 and R_4 is selected from the group consisting of a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted or unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, when the other of R_3 and R_4 is a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less;

R₅ is selected from the group consisting of a carbonyl, a substituted or unsubstituted

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-C₁₋₃alkyl, a substituted or unsubstituted -C₁₋₃ alkyl-C(O), a substituted or unsubstituted

-C(O)-C₁₋₃alkyl, and a substituted or unsubstituted -C(O)C(O)C₁₋₃ alkyl; and

M is a substituent capable of complexing with a protein metal ion.

105 (Original). A compound according to claim 104 wherein the phenyl ring is meta substituted.

106 (Original). A compound according to claim 104 wherein the phenyl ring is para substituted.

107 (Original). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, with the proviso that R_1 and R_2 are not both hydrogen;

 R_3 and R_4 are each independently selected from the group consisting of a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring; and

M is a substituent capable of complexing with a protein metal ion.

108 (Original). A compound according to claim 107 wherein the phenyl ring is meta substituted.

109 (Original). A compound according to claim 107 wherein the phenyl ring is

para substituted.

110 (Original). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

wherein

 R_1 comprises a moiety attached to the nitrogen selected from the group consisting of a substituted straight chained C_{1-12} alkyl, C_{2-12} oxaalkyl and C_{2-12} aminoalkyl where at least one of the substituents is selected from the group consisting of substituted and unsubstituted straight chained C_{1-12} alkyls, C_{2-12} oxaalkyls or C_{2-12} aminoalkyls and substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered rings;

 R_2 comprises a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring;

 R_3 and R_4 are each independently selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, with the proviso that R_3 and R_4 are not both hydrogen; and

M is a substituent capable of complexing with a protein metal ion.

111 (Original). A compound according to claim 110 wherein the phenyl ring is meta substituted.

112 (Original). A compound according to claim 110 wherein the phenyl ring is para substituted.

113 (Original). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, with the proviso that R_1 and R_2 are not both hydrogen;

one of R_3 and R_4 is selected from the group consisting of a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted or unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, when the other of R_3 and R_4 is a moiety selected from the group consisting of hydrogen and a moiety that has a maximum chain length of non-hydrogen atoms of six or less;

M is a substituent capable of complexing with a protein metal ion.

114 (Original). A compound according to claim 113 wherein the phenyl ring is meta substituted.

115 (Original). A compound according to claim 113 wherein the phenyl ring is para substituted.

116 (Original). A compound comprising the formula

$$R_1$$
 R_2
 R_4
 R_3

or

wherein

 R_1 and R_2 each independently comprise a moiety attached to the nitrogen selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring, with the proviso that R_1 and R_2 are not both hydrogen;

R₃ comprises a substituted six membered ring attached to the carbonyl carbon or methylene wherein at least one of the substituents of the six membered ring is beta relative to atom attached to the carbonyl carbon or methylene;

 R_4 comprises a moiety selected from the group consisting of hydrogen, a substituted or unsubstituted straight chained C_{1-12} alkyl, C_{2-12} aminoalkyl or C_{2-12} oxaalkyl, and a substituted and unsubstituted 3, 4, 5, 6, 7 or 8 membered ring;

M is a substituent capable of complexing with a protein metal ion.

117 (Original). A compound according to claim 116 wherein the phenyl ring is meta substituted.

118 (Original). A compound according to claim 116 wherein the phenyl ring is para substituted.

119 (Previously presented). A compound comprising the formula:

$$R_1$$
 R_2
 R_4
 R_5
 R_5

wherein

 R_1 is a substituted straight chained C_{1-12} alkyl where at least one of the substituents is a substituted or unsubstituted 3, 4, 5, 6, 7 or 8 membered ring;

 R_2 is H;

R₃ is a substituted or unsubstituted aryl group;

 R_4 is a substituted or unsubstituted straight chain C_{1-12} alkyl;

R₅ is a carbonyl group;

120 (Previously presented). A compound according to claim 101 wherein R_4 is not hydrogen.

- 121 (Previously presented). A compound according to claim 104 wherein R_4 is not hydrogen.
- 122 (Previously presented). A compound according to claim 110 wherein R_4 is not hydrogen.
- 123 (Previously presented). A compound according to claim 113 wherein R_4 is not hydrogen.
- 124 (Previously presented). A compound according to claim 116 wherein R_4 is not having in